AMENDMENT TO THE CLAIMS

The following is a listing of the claims and their status. Please cancel claims 2, 4 - 8, and 20 - 31, and amend the remaining claims as follows:

1. (currently amended) A method for on-line cleaning of the internal surfaces of selected sections of a hydrocarbon fuel burning gas turbine, during operation, without significant loss of turbine power, comprising the steps of:

contacting the surfaces to be cleaned with a cleaning composition comprising:

expandable graphite particles ranging in size from about 0.01 to about 50,000 microns selected from the group consisting of graphite particles and molybdenum based particles and capable of expanding up to about 200 times their initial volume when heated above a predetermined temperature;

an oil soluble magnesium carboxylate corrosion inhibitor sold under the trademark

LMG-30E * having a minimum concentration of 25% magnesium; and

an aromatic solvent.

2. (canceled)

3. (currently amended) The A method according to claim 2, wherein for on-line cleaning of the internal surfaces of selected sections of a hydrocarbon fuel burning gas turbine, during operation, without significant loss of turbine power, comprising the steps of:

contacting the surfaces to be cleaned with a cleaning solution composition comprising said expandable graphite particles ranging in size from about 0.01 to about 50,000 microns are formed of expandable graphite and are capable of expanding up to about 200 times their initial volume when heated above a predetermined temperature.

- 4 through 8 (canceled)
- 9. (currently amended) The method according to claim [[5]] 1, wherein said cleaning composition comprises from about 1.0 wt % to about 3.0 wt % of said expanded graphite particles; and

from about 97 wt % to about 99 wt % of said oil soluble corrosion inhibitor.

10. (currently amended) The A method according to claim 5, wherein for on-line cleaning of the internal surfaces of selected sections of a hydrocarbon fuel burning gas turbine, during operation, without significant loss of turbine power, comprising the steps of:

contacting the surfaces to be cleaned with a cleaning composition comprising:

particles ranging in size from about 0.01 to about 50,000 microns selected from the group consisting of graphite particles and molybdenum-based particles;

an oil soluble corrosion inhibitor selected from the group consisting of a magnesium carboxylate corrosion inhibitor sold under the trademark LMG-30E ®, magnesium, cerium, zirconium, nickel, silicon, chromium, aluminum, barium, manganese, and iron, and mixtures thereof; and

said cleaning composition further comprises an aromatic solvent.

- 11. (original) The method according to claim 10, wherein said cleaning composition comprises about 1.0 wt % of said particles; about 15.7 wt % of said aromatic solvent; and about 83.3 wt % of said oil soluble corrosion inhibitor.
- 12. (original) The method according to claim 10, wherein said cleaning composition further comprises a surfactant.
- 13. (original) The method according to claim 12, wherein said cleaning composition comprises about 1.0 wt % of said particles; about 13.2 wt % of said aromatic solvent; and about 2.5 wt % of said surfactant; and about 83.3 wt % of said oil soluble corrosion inhibitor.

14. (withdrawn) The method according to claim 1 wherein said contacting step comprises periodically feeding said cleaning composition into the combustion section of the turbine during operation thereof.

15. (withdrawn) The method according to claim 14 wherein

said turbine is equipped with water wash nozzles in fluid communication with the combustion chamber of the turbine and said cleaning composition is fed into said combustion chamber through said water wash nozzles by pressurized air.

16. (withdrawn) The method according to claim 1 wherein

said contacting step comprises periodically or continuously feeding said cleaning composition into the compressor section and hot gas section of the turbine during operation thereof by introducing it through the air intake downstream from the air filter with the inlet air to clean the compressor, and thereafter said cleaning composition continuing into the hot gas section of the gas turbine to clean the hot gas section.

17. (withdrawn) The method according to claim 1 wherein

said turbine is equipped with an air conduit in fluid communication with the combustion chamber of the turbine and said contacting step comprises periodically or continuously feeding said cleaning composition into the combustion section of the turbine during operation thereof by injecting it into the combustion air through the air conduit, and thereafter said cleaning composition continuing into the hot gas section of the gas turbine to clean the hot gas section.

18. (withdrawn) The method according to claim 1 wherein

the turbine exhaust is connected with downstream heat recovery equipment, including boiler tubes, in a co-generation or combined cycle system; and

said contacting step comprises feeding said cleaning composition into the turbine section to be cleaned by selectively introducing it either through the air intake downstream from the air filter with the inlet air to clean the compressor, or by injecting it into the combustion air through the air conduit, whereby said cleaning composition continues into the hot gas section of the gas turbine to clean the hot gas section and is mixed and transported in the turbine exhaust; and thereafter

conducting the exhaust and cleaning composition mixture through the boiler tubes at a velocity sufficient to impinge on, and clean, the interior surfaces of the boiler tubes.

19. (withdrawn) The method according to claim 1 wherein

said contacting step comprises periodically feeding a charge of said cleaning composition into the turbine section to be cleaned for a period of time sufficient to effect evenly distributed flow, monitoring the actual power output and turbine exhaust temperature during this time period, and when no further increase in the power output or decrease in the turbine exhaust temperature is noted, discontinuing the cleaning sequence.

20 through 31 (canceled)